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**Patent Claims**

1. A flue gas washer comprising a supporting construction for spray pipes for cleaning of at least one horizontally disposed droplet separator system which is formed by droplet separator packets supported on carriers, characterized in that the supporting construction (7) for the spray pipes (8) is disposed at or between the droplet separator packets (15).
2. The flue gas washer according to claim 1, characterized in that the droplet separator packets (15) have reinforced end portions for the arrangement of the supporting construction (7).
3. The flue gas washer according to claim 2, characterized in that the reinforced end portions (6) are formed in a box-like manner.
4. The flue gas washer according to claim 2 or 3, characterized in that the reinforced end portions

(6) are penetrated by at least one rod-like supporting member (9).

- 5        5.    The flue gas washer according to claim 4,  
         characterized in that a plurality of rod-like  
         supporting members (9) are connected with one  
         another by a spray pipe carrying element (10).
- 10       6.    The flue gas washer according to claim 4 or 5,  
         characterized in that the rod-like supporting  
         members (9) consist of several parts and have a  
         connection point outside of the reinforced end  
         portions (6).
- 15       7.    The flue gas washer according to one of the claims  
         4 to 6, characterized in that one rod-like  
         supporting member (9) or a plurality thereof extend  
         upwardly and downwardly from the reinforced end  
         portion (6).
- 20       8.    The flue gas washer according to one of the claims  
         4 to 7, characterized in that a rod-like supporting  
         member (9) is insertable into a reinforced end  
         portion (6).
- 25       9.    The flue gas washer according to claim 1,  
         characterized in that the supporting construction  
         is formed by supporting members (16) which are  
         disposed between adjacent droplet separator packets  
30       (15), respectively.

10. The flue gas washer according to claim 9,  
characterized in that the supporting members (16)  
are connected to the separator packets (15) through  
flange connections (18).

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11. The flue gas washer according to claim 9 or 10,  
characterized in that the supporting members (16)  
carry the spray pipes (8) directly.

10 12. A supporting construction (7) for use in a flue gas  
washer (1) according to one of the patent claims 1  
to 11.

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